

What Is Claimed Is:

1. A housing for a field device, in particular for the decentralized use in an industrial facility, wherein the housing includes a housing part designed as a hood, the hood having at least one opening in one direction.
2. The housing as recited in at least one of the preceding claims, wherein the direction is the direction of gravity and/or the housing is designed as one piece and/or the hood has only one or more downward openings, that is, in the direction of gravity and/or the hood is shaped such that water drains away, particularly while being acted upon by the force of gravity, without water being able to collect in one place at the hood and/or the hood is produced by deep drawing, particularly from sheet metal, or by pressure diecasting or by injection molding.
3. The housing as recited in at least one of the preceding claims, wherein the hood includes a lower and an upper hood part, the upper hood part being designed with a vaned profile, particularly for forming a heat sink and/or for the improved dissipation of heat to the environment and/or the lower and the upper hood parts being designed as one piece.
4. The housing as recited in at least one of the preceding claims, wherein the electronics insert is joined to the inner side of the hood, in particular to the upper hood part, so as to form a seal.

5. The housing as recited in at least one of the preceding claims,  
wherein the electronics insert has a plug-in connector unit to the connection box and/or  
the plug-in connector unit has a sealed design and/or  
the plug-in connector unit has molded-in contact pins for the function of sealing and/or  
the plug-in connector unit is joined by a seal to the connection box and/or  
the connection box includes at least one electronic data storage unit and/or  
the electronic data storage unit is designed in such a way that data, in particular address data, can be stored permanently, in particular with long-term stability.
6. A field device having a housing as recited in at least one of the preceding claims,  
wherein the housing includes at least one electronics insert and at least one connection box.
7. The field device as recited in at least one of the preceding claims,  
wherein the electronics insert is frictionally connected to the hood, particularly to its upper part, and/or  
the electronics insert is form-locked and frictionally connected to a mounting support, which is clasped by the upper part of the hood and/or  
the electronics insert has first plug-in connectors in the direction of gravity and/or  
the connection box has second plug-in connectors for connecting to the first plug-in connectors and/or  
the connection box has openings for the feeding of cable on the bottom side, that is, in the direction of gravity and/or  
the connection box is joined to the hood in a form-locked and impervious manner.

8. The field device as recited in at least one of the preceding claims,  
wherein the connection box has two seals for a sealed connection to the hood.
9. The field device as recited in at least one of the preceding claims,  
wherein the field device is designed for decentralized use in an industrial facility.
10. The field device as recited in at least one of the preceding claims,  
wherein the electronics insert includes converter functionality or is electrically connected to a converter.